

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L14	58436	"600" near dpi to "2400" near dpi same (nozzle or orifice) near (spacing or pitch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/13 09:36
L15	1169	L14 and printhead	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/13 09:32
L16	855	L15 and "347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/13 09:36
L17	659	L16 not silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/13 09:32
L18	3	L17 and single near nozzle near array	US-PGPUB; USPAT	OR	ON	2006/06/13 09:36
L19	58427	"600" near dpi to "2400" near dpi same (nozzle or orifice) near (spacing or pitch) same single near nozzle near array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/13 09:37
L20	0	"600 to 2400" near dpi same (nozzle or orifice) near (spacing or pitch) same single near nozzle near array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/13 09:37
L21	0	("600 to 2400") near dpi same (nozzle or orifice) near (spacing or pitch) same single near nozzle near array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/13 09:37

## EAST Search History

L22	2574	19 and "347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/13 09:40
L23	63	22 and nozzle near holes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/13 09:38
L24	2376	22 not silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/13 09:40
L25	41	24 and nozzle near holes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/13 09:40
S1	17	("20030197756" "5291226" "5408738" "5548894" "5559543" "5608436" "5648805" "5946012" "5948290" "6045214" "6183078" "6280021" "6409315" "6447088" "6478410" "6523935" "6601945").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/31 09:19
S2	1	"20050174385"	US-PGPUB; USPAT	OR	OFF	2006/02/10 09:03
S3	1552	"347"/\$.ccls. and silverbrook-\$.in.	US-PGPUB; USPAT	OR	OFF	2006/02/10 11:14
S4	43	"SAMSUNG CORPORATION"	US-PGPUB; USPAT	OR	OFF	2006/02/13 16:42
S5	0	"347"/\$.ccls. and S4	US-PGPUB; USPAT	OR	OFF	2006/02/13 12:45
S6	1996	347/20,54,56,61,62.ccls.	US-PGPUB; USPAT	OR	OFF	2006/02/13 16:45
S7	0	S4 and S6	US-PGPUB; USPAT	OR	OFF	2006/02/13 12:46
S8	0	printhead and S4	US-PGPUB; USPAT	OR	OFF	2006/02/13 12:46
S9	43	"SAMSUNG CORPORATION"	US-PGPUB; USPAT	OR	OFF	2006/02/13 16:42
S10	5	substrate and S9	US-PGPUB; USPAT	OR	OFF	2006/02/13 16:44

## EAST Search History

S54	52	S50 and ( "600" or "2400") near dpi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 09:54
S55	3	S50 and nozzle same (pitch or spacing) same ( "600" or "2400") near dpi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 09:54
S56	63	S51 and ( "600" or "2400") near dpi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 09:54
S57	8	S51 and nozzle same (pitch or spacing) same ( "600" or "2400") near dpi.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 09:54
S58	1936	347/54,56.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:19
S59	1	S58 and heater near resistors same length same width same ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 15:53
S60	0	S58 and ink near ejection near actuator same length same width same ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:29
S61	0	S58 and heater near resistors same width same S50 near microns	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:24

## EAST Search History

S62	24	S58 and heater near resistors same width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:24
S63	1	S58 and ink near ejection near actuator same width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:29
S64	635	347/61,62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/31 11:38
S65	5	S64 and heater near resistor same length same width same (ratio or rate or proportion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:47
S66	10	heater near resistor same length same width same (ratio or rate or proportion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:46
S67	0	S64 and ink near ejection near actuator same length same width same (ratio or rate or proportion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:47
S68	2	S64 and ink near ejection near actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:48
S69	0	silverbrook.in. and thermal near actuator same length same width same (ratio or proportion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:49

## EAST Search History

S70	31	S64 and heater near resistor same (width or dimension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:59
S71	1	S51 and heater near resistors same aspect near ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 11:59
S72	0	S58 and heater near resistors same aspect near ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 12:01
S74	1	S64 and heater near resistors same aspect near ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 12:08
S75	2	"5305015".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 12:09
S76	4	aspect near ratio same heater near resistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 12:09
S77	2	"20030058305"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:21
S78	2	"6854820".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:21

## EAST Search History

S79	22	("20020036667"   "4313124"   "4345262"   "4459600"   "4463359"   "4558333"   "4608577"   "4723129"   "4740796"   "5218376"   "5565899"   "5625384"   "6109718"   "6123411"   "6155666"   "6155673"   "6252616"   "6350016"   "6375309"   "6428144"   "6439696"   "6443561").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/31 14:52
S80	1023	347/65.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:52
S81	1	S80 and heater near resistor same aspect near ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:53
S82	0	S80 and heater near resistor same length same width near ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:54
S83	2	S64 and heater near resistor same length same width near ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:54
S84	7	("4339762"   "4887098"   "5157418"   "5198834"   "5274400"   "5387314"   "5477243").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/31 15:25
S85	9	aspect near ration same resistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 15:28
S87	577	aspect near ratio same resistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 15:28

## EAST Search History

S88	4	S87 and (ink near jet\$3 or ink adj jet\$3) near head	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 15:34
S89	10	("4368491"   "4704617"   "4746941"   "4779102"   "4894712"   "4910528"   "4952085"   "5126757"   "5232294"   "5363125").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/31 15:44
S90	332	347/62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 15:53
S91	333	347/62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 13:54
S92	0	S91 and ink near ejection near actuator same aspect near ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 13:54
S93	5	S91 and (heater or resistor) same aspect near (ratio or porportion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:25
S94	2918	lexmark.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:06
S95	0	S94 and powers-john-h.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:05

## EAST Search History

S96	0	S94 and powers-john.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:05
S97	1	lexmark-international.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:05
S98	1181	Lexmark near international.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:06
S99	7	S98 and powers-james-h.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:06
S10 0	1005	(heater or resistor) same aspect near (ratio or porportion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:27
S10 1	1	S100 and "1.5:1" near "6:1"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:26
S10 2	1	S100 and "1.5:1" same "6:1"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:26
S10 3	49	S100 and ("1.5:1" or "6:1")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:28



## EAST Search History

S10 4	121	(heater or resistor) same aspect near (ratio or porportion) and "347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:29
S10 5	2	S104 and ("1.5:1" or "6:1")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:28
S10 6	16	("4367480"   "4794411"   "5087930"   "5394181"   "5455615"   "6003986"   "6010208"   "6113223"   "6130693"   "6193356"   "6305790"   "6343857"   "6371600"   "6398850"   "6402311"   "6443564").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/12 14:51
S10 7	1	"5616024".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/12 14:51
S10 8	0	("600 to 2400") near dpi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:31
S10 9	0	"600" near to near about near "2400" near dpi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:32
S11 0	1011942	"600" dpi to "2400" dpi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:32
S11 1	59211	"600" near dpi to "2400" near dpi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:49

## EAST Search History

S11 2	402	S111 and nozzle near (spacing or pitch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:33
S11 3	218	S112 and printhead	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:34
S11 4	58405	"600" near dpi to "2400" near dpi same (nozzle or orifice) near (spacing or pitch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:50
S11 5	1168	S114 and printhead	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:51
S11 6	0	S115 and "347"/\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:51
S11 7	854	S115 and "347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:52
S11 8	658	S117 not silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:52